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ABSTRACT

This report summarizes information received from State Research Coordinating Units (RCU's) regarding research activities conducted under Section 131 (b) of the Vocational Education Amendments of 1968. The purpose of the report is to provide information that will help states to be aware of research and development conducted by other states, thus facilitating exchange of information and reducing duplication of effort. Specific information is provided on a state-by-state basis in regard to projects completed, new projects funded, research and related activities, and projects and activities planned. (Author/JS)

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SEMIANNUAL REPORT

ON

STATE RESEARCH COORDINATING UNIT ACTIVITIES

FOR THE PERIOD,

JULY 1, 1970 - DECEMBER 31, 1970

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Elliot L. Richardson, Secretary

Office of Education
S.P. Marland, Jr., Commissioner

Division of Vocational and Technical Education
Bureau of Adult, Vocational, and Technical Education

VT013642

June 1971

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FOREWORD

This report summarizes information received from State Research Coordinating Units (RCU's) regarding research activities conducted under Section 131(b) of the Vocational Education Amendments of 1968. The period of time covered by this report is the first six months of fiscal year 1971. The purpose of the report is to provide information that will assist States to be aware of research and development conducted by other States, thus facilitating exchange of information and reducing duplication of effort.

The Semiannual Report has been prepared by Marsha Golden of the Research Coordinating Section of the Exemplary Programs and Services Branch. A similar report on activities during the second half of fiscal year 1971, together with a final analysis of the year, will be developed by the Section and distributed in early Fall, 1971.

Edwin L. Rumpf
Acting Director
Division of Vocational
and Technical Education

June 1971

I N T R O D U C T I O N

For fiscal year 1971, the States received $17.5 million under Section 131(b) of Part C of the Vocational Education Amendments of 1968. These funds could be used for paying up to 75 percent of the costs of the State Research Coordinating Unit (RCU) and for grants and contracts covering 90 percent of the costs of research and/or developmental projects. The minimum amount received was $23,000 by Alaska and the maximum was $1,389,000 by California. Over 75 percent of the States received more than $100,000 for research.

The fact that the funds were not released to the States until October, 1970 is evidenced in the reports which follow in that many States had not started any projects by December 31. Reports from the States indicated that most were in the process of inviting research proposals, reviewing the proposals, selecting the most suitable ones, and awarding grants for the operation of the approved projects. During this period, 103 new projects were funded by the RCU's. On review of these, it appears that States are attacking problems that are most relevant to their individual programs. Some States are concentrating on improving administration, others have focused on developing an articulated K-12 career education program. Many are improving their instructional programs by researching specific problems in vocational areas. At the end of fiscal year 1971, specific trends in funding of grants and contracts should be perceptible.

Some general trends are evident in activities of the RCU's. Many performed a good deal of evaluation, both Statewide and for local districts. Dissemination of research findings and development of information retrieval and dissemination systems has been a high priority for several years now. The RCU's frequently assist the State department of education and local districts in planning activities and have been, in many instances, assuming responsibility for coordinating State-administered Exemplary Programs funded under Part D of the Vocational Education Amendments of 1968. In several States, research grants have been used to support Part D activities, particularly in planning and evaluation. The RCU's frequently assist local districts and university personnel in developing proposals and have been active in training researchers in workshops. They have also played a role in designing Educational Personnel Development Act projects in vocational education. These are trends which are showing up in more and more RCU reports and may indicate that a stabilization of RCU functions is occuring.

The Semiannual Report which follows is a compilation of State Quarterly Reports for the first two quarters of fiscal year 1971 which have been received from the Research Coordinating Units.

Summaries of

State Research Coordinating Unit

Quarterly Reports

for the period

July 1, 1970 - December 31, 1970

ALABAMA

J. C. Lindley, State Director for Vocational Education
Richard A. Baker, RCU Director

PROJECTS COMPLETED:

1. "Development of a Scale to Measure Attitudes Toward Vocational Education"

2. "Relationship of Proficiency Ratings and Personality Traits to Job Success of Stenographic and Secretarial Science Graduates"

NEW PROJECTS FUNDED:

1. "A Study to Define Computer Requirement for Vocational Education in Alabama" (General Research Corporation)

RESEARCH RELATED ACTIVITIES:

1. "Employment Opportunities in Cosmetology Occupations in Alabama"

2. "Development of a Planning and Evaluation Instrument for Exemplary Programs in Vocational Education"

3. "Planning and Programming Instrument for the Development of Local Plans Under the 1968 Vocational Education Amendments"

4. "Development of a Pilot-Occupational Information System"

5. "Statistics for Planning and Programming Occupational Training Programs in Alabama"

6. "Employment Opportunities for Workers in Sales and Related Occupations in Alabama"

7. "Employment Opportunities and Educational Needs of Alabama Farmers"

8. "Employment Opportunities for Workers in Selected Manufacturing Industries in the Montgomery Chamber of Commerce Area"

9. "Employment Opportunities and Educational Needs of Workers in Alabama Agribusiness"

10. "Development of a System for Local and State Evaluation of Vocational Education"

11. "A Comparison of the National Percentage Distribution of Industry Employment by Occupations with Occupational Survey Findings in Alabama"

12. "Manpower Need Projections for Selected Trade Areas in Alabama Based on Trend Analysis and Industry Occupations Ratios"

PROJECTS AND ACTIVITIES PLANNED:

1. "Development of an Industrial Development Training Program for Alabama" (Harper, Cotton, and Little, Inc.)

ALASKA

Louis D. Ridle, State Director for Vocational Education
Ernest Polley, RCU Director

NO REPORTS RECEIVED

ARIZONA

J. R. Cullison, State Director for Vocational Education
Arthur M. Lee, RCU Director

PROJECTS COMPLETED:

1. "Development of Financial Reporting Forms and Procedures to Meet New Requirements in Federal Reporting" (Steven L. Barsby)

2. "Learning a Living: A Report on Career Education in Arizona"

3. "Development of a Cost Factor for Occupational Education" (Steven L. Barsby)

4. "Synthesis of Research in Vocational Education Cost Accounting and Cost Effectiveness" (Steven L. Barsby)

NEW PROJECTS FUNDED:

1. "Second Stage of Development of a Longitudinal Experimental Program in Pre-Vocational Career Oriented Education" (Joel Price)

2. "Northern Arizona Hospitality Education Program" (Clio Reinwall)

3. "The Development of Vocational Skills Through the Use of Learning Packets" (J.M. Jeffery)

4. "Career Curriculum for Sahuarita High School" (Robert J. Esser)

RESEARCH RELATED ACTIVITIES:

1. Redesign of vocational-technical student enrollment system to meet new requirements in Federal reporting

2. Redesign of vocational-technical education followup system to meet new requirements in Federal reporting

3. Redesign a vocational education teacher data system to meet new requirements in Federal reporting

4. Hosted a Region IX Conference on vocational-technical research

5. Sponsored annual research conference for State Department of Vocational Education professional personnel

6. Wrote proposals, gathered library materials, performed literature searches, disseminated materials

7. Assisted in implementation of Indian Manpower Center project supported by the Manpower Development and Training Act at Northern Arizona University

8. Assisted Minnesota RCU and State Department of Vocational Education in developing research review procedures

9. Assisted State Officials in developing a program in educational data processing

10. Assisted in development of Project HOP (Health Occupations Program)

11. Sponsored and attended various research conferences

12. Developed data processing system for class enrollment of home economics useful students

13. Assisted in developing a data system for accountability and evaluation of skill centers

14. Assisted in developing a planning program for junior college district in decade of the 70's

15. Assisted in development of a regional career education survey

PROJECTS AND ACTIVITIES PLANNED: NONE

ARKANSAS

J. Marion Adams, State Director for Vocational Education
Grady Knight, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Assisted exemplary staff by retrieving research and development documents for use in eight pilot schools

2. Disseminated research findings to other individuals and agencies upon request

3. Developed, tested, and finalized data gathering instruments

4. Collected, edited, compiled, and stored pertinent vocational student data on magnetic tape for computer manipulation

5. Conducted a data processing mark sense card followup of randomly selected vocational graduates

6. Disseminated research findings and related materials requested by various individuals and groups

7. Assisted the Ozarks Regional Commission in obtaining economic data regarding postsecondary training in the Ozarks Region of Arkansas

8. Assisted with the development of a proposal regarding simulation in office education

9. Participated in American Vocational Association Pre-session Institute on research, and also the National Institute on Long Range Planning at Little Rock

10. Assisted the exemplary personnel with the establishment of occupational education in grades 5 through 12 of the eight pilot schools

11. Developed a Technical Assistance Planning Grant for Educational Professional Development in Arkansas

PROJECTS AND ACTIVITIES PLANNED:

1. Assist with a "Plan of Action" for professional development of Arkansas vocational personnel

2. Provide assistance in development of questionnaires regarding forestry and electronic occupations

3. Development of evaluative instruments relative to training programs for disadvantaged adults

4. Research information dissemination

CALIFORNIA

Wesley P. Smith, State Director for Vocational Education
James H. Crandall, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Hosted conference of Western Regional RCU Directors

2. Conducted a training session of key district personnel for a statewide evaluation of work study education

3. Conducted a workshop for research design and evaluation in industrial education

4. Refined and prepared for distribution instructions for agencies to apply for Public Law 90-576, Part C, research funds

5. Conducted four regional workshops in Systems Analysis and Evaluation

6. Provided consultation in development of Educational Personnel Development Act plans

7. Planned with other State RCU personnel for coordination of information storage, retrieval and dissemination activities

8. Conducted information dissemination activities

9. Attended and participated in numerous conferences

10. Initiated and conducted a pilot program among 17 counties for the refinement and evaluation of a 12-function system for vocational education in California

11. Met with and received direction from the Statewide Research Coordinating Unit Advisory Committee concerning potential use of Part C research funds

12. Organized a small grant program for research funds not to exceed $2500 per grant. Received and reviewed four applications and awarded $8,270

13. Organized and conducted a workshop on developing measurable objectives in vocational education

14. Received twelve, and recommended four, Educational Personnel Development Act projects for approval

15. Provided consultation in research design to a developing County guidance and job information system

16. Provided research information and consultation to State Department of Education staff members

17. Provided consultation in systems analysis research design and program evaluation to school districts

PROJECTS AND ACTIVITIES PLANNED:

1. Research proposals will be invited and solicited under Part C of Public Law 90-576

2. A project involving a 17-counties study of the 12-function system model for California vocational education will be continued and plans will be established for functional dissemination of the results through a series of county level workshops

3. Consultant services will be provided to districts to aid them in developing program evaluation, district planning on a systems basis, and coordinating research activities with other research being conducted throughout the State.

COLORADO

M. G. Linson, State Director for Vocational Education

Robert F. Barnes, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Health Occupations Research Project (continuation)" (Moser - Mesa College)

2. "Masonry Program" (Stoddard - Otero Junior College)

3. "Student Perception Inventory" (Pikes Peak BOCS)

4. "Commerce and Development Study" (University of Colorado)

RESEARCH RELATED ACTIVITIES:

1. Completed printout of vocational student enrollments for 1969-1970

2. Developed report on proprietary schools for Advisory Council

3. Developed budget and budget justification for Research for 1970-1971

4. Completed Advisory Council Evaluation Report

5. Made presentation to Colorado Vocational Association

6. Revised State Plan for Area Vocational Schools

7. Began implementing State Evaluation System in cooperation with the Center for Vocational and Technical Education, Ohio State University

8. Attended numerous conferences

PROJECTS AND ACTIVITIES PLANNED: NONE

CONNECTICUT

Joseph F. Murphy, State Director for Vocational Education
Herbert Righthand and Richard C. Wilson, RCU Co-Directors

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Developed annual and long range State Plan for Vocational Education
2. Conducted annual followup study of all secondary and postsecondary vocational graduates
3. Surveyed applicants to regional vocational-technical schools
4. Completed federal statistical report for fiscal year 1970
5. Assisted in the development of research proposals
6. Conferred with State Advisory Council in development of State Plan
7. Administered Part D Exemplary projects including proposal writing, development, review, approval, and evaluation
8. Revised State guidelines for development of exemplary programs
9. Developed guidelines for the evaluation of exemplary programs
10. Reorganized and maintained research library
11. Gathered statistical data from various sources for planning, reporting, and evaluation purposes
12. Surveyed standardized testing practices in regional vocational-technical schools
13. Studied need for a regional vocational-technical school in Tolland County

14. Participated in formal school evaluations conducted by the New England Association of Colleges and Secondary Schools

15. Updated vocational program evaluation procedures

16. Worked with Office of Departmental Planning in the coordination and completion of Planning, Programming, and Budgeting System (PPBS) materials for the Division of Vocational Education

17. Served as member of Department of Education steering committee for the Belmont project

18. Prepared various research and statistical reports upon request of State Director and other State staff members

19. Disseminated research reports and miscellaneous releases and materials

20. Conferred with Labor Department and other State agencies in collecting manpower and demographic data for the State Plan

21. Conducted workshop for Division of Vocational Education staff regarding individual and Bureau level input for the State Plan

22. Assisted in the revision of program accounting codes for vocational programs

23. Developed a tentative plan for conducting a statewide survey of research needs

24. Assisted with and partially supported research studies at Central Connecticut State College in (1) Survey of data processing managers and business education department heads to determine data processing training needs and (2) Survey of shorthand, transcription, and bookkeeping courses in Connecticut schools

25. Attended meeting of vocational-technical school administrators to explain research funding and procedures

26. Attended meetings of vocational-technical schools research advisory committee to identify research needs and priorities for the fifteen State Regional vocational-technical schools

27. Participated in formal evaluations of two regional vocational-technical schools

28. Participated in several meetings of the Inter-Bureau Committee on Guidance, State Department of Education

PROJECTS AND ACTIVITIES PLANNED:

1. Development of a Connecticut Vocational Education Directory
2. Study of Labor Output of Private Vocational Schools in Connecticut
3. Long-range Followup Study of Vocational Agriculture Graduates
4. Study of the Characteristics of Vocational-Technical School Students
5. Development of Vocational Education Information System and Data Bank

DELAWARE

Daniel E. Koble, State Director for Vocational Education
Mildred Snowberger, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Evaluation of Teaching Through Utilization of Videotapes (Preservice and In-service)" (Jacqueline Barney)

RESEARCH RELATED ACTIVITIES:

1. Establishment of Vocational Education Resource Centers in three county Vocational-Technical Schools
2. Assistance in exemplary programs
3. Continuation of a manpower study in conjunction with Bivens and Associates

PROJECTS AND ACTIVITIES PLANNED:

1. Design of a project to determine feasibility of incorporating data generated by the New Castle County Manpower Study into the educational planning cycle

DISTRICT OF COLUMBIA

Harold A. Clark, State Director for Vocational Education
Mildred P. Cooper, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Obtaining and compiling statistical data for the completion of the State Plan and Annual Reports for the Department of Vocational Education and the Advisory Committee for Vocational Education. These required in-house information and requests for data to outside agencies such as: U. S. Office of Education, United States Employment Security, D. C. Government, and D. C. Vocational Rehabilitation Administration

2. Gathering data for and completing the Consolidated Program Information Reports for the U. S. Office of Education relating to vocational education and manpower programs. Staff activities included reviewing program and project activities with administrators, culling and recompiling statistics from the U. S. Office of Education, in-house pupil membership and class enrollment forms

3. Evaluating the D. C. Public Schools Drug Abuse Workshop, funded by the U. S. Office of Education, which included professional and student participants from vocational schools. Four staff members observed the one-week sessions, directed the tabulation and analyzed data gathered from evaluation instruments, and prepared a report which is now being completed

4. Overseeing the completion of contract negotiations between the Department of Vocational Education and American Vocational Research Corporation for the evaluation of vocational education programs and an assessment of manpower needs in the District of Columbia. The objective of the program evaluation is the design and implementation of improved occupational education and training of the non-professional work force. The project will encompass an in-depth analysis of existing programs, administration and staff, public and private training opportunities, vocational and occupational guidance programs, and comprehensive supply and demand data for the Washington, D.C. metropolitan area. The Division will coordinate activity between American Vocational Research and the Department of Vocational Education to insure that production is maintained and work is completed according to project specifications

5. Researching information for supporting data in the development of research and exemplary program proposals

6. Coordinated activities between the Division of Planning, Research, and Evaluation, Department of Vocational Education, and the American Vocational Research Corporation related to the evaluation of the Department of Vocational Education. In addition to providing the American Vocational Research Corporation with statistical and annual report data as requested, the Division surveyed 70 private vocational and non-public schools to obtain the number of completors from their training programs

7. Prepared the second quarter report for CAMPS which included a survey of all occupational training and related programs offered by the D. C. Public Schools to secure enrollment and current status

8. The Research Information Center, a unit of the Department of Research and Evaluation received and completed 13 manual searches and 19 computer searches of the ERIC data file for the Department of Vocational Education in addition to providing technical assistance and resource materials to the vocational education research assistant

PROJECTS AND ACTIVITIES PLANNED:

1. Continue research to support the development of research and exemplary program proposals

2. Continue monitoring the program evaluation

3. Complete statistical portions of the Annual Report to the Office of Education

FLORIDA

Carl W. Proehl, State Director for Vocational Education
K. M. Eaddy, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "A Study of Postsecondary Occupational Education in Florida" (Michael I. Schafer)

2. "An Evaluation of Exemplary Programs in Dade, Duval, Escambia, and Hillsborough Counties" (Lawrence H. Perkins)

3. "Elementary Vocational Education Curriculum Project for the State of Florida" (James R. Heggen and John J. Geil)

4. "Establishment and Use of VIEW Materials in Two Counties" (Broward County, BPI, Fort Lauderdale and Washington County, BPI, Chipley)

5. "Consumer Education Teaching Materials for Disadvantaged Students and Underprivileged Adults" (Agnes F. Ridley)

6. "Identifying Implications of Research for Vocational Teachers" (R.O. Gallington)

7. "Fusion of Applied and Intellectual Skills" (J.B. Hodges)

8. "Development of a Research and Evaluation Design for an Exploratory Vocational Program at Clearwater Comprehensive Junior High School" (Robert Safransky)

9. "A Project to Develop Learning Packets in Diversified Cooperative Training" (Donald P. Jaeschke)

10. "Establishment of Vocational Research Information Centers in Florida"

11. "A Planning Project to Study Agricultural Education Needs in Florida" (S.D. Patterson)

RESEARCH RELATED ACTIVITIES:

1. Attended numerous workshops and conferences

2. Established Satellite Information Centers in 16 area vocational-technical schools and junior colleges

3. Held annual State conference for vocational educators with emphasis on program evaluation

4. Held meeting of exemplary project directors and evaluators

5. Conducted a study of vocational research projects since 1964

6. Assisted in project development

7. Continued development of State Board of Education Regulations to implement a comprehensive vocational education program enacted by the 1970 Florida Legislature

8. Compiled information report for proposed projects to be funded under Florida Vocational Improvement Fund

9. Observed the South Carolina dissemination system and discussed policy and procedure of South Carolina Program as a means of collecting information relevant to development of the Florida system

10. Met with the Ohio State University personnel to discuss the possibility of field-testing a followup system developed at OSU in the Florida assessment program

11. Developed a six-year plan for vocational education research, development, dissemination, and evaluation activities compatible with Florida's Program Planning Budgeting System

12. Continued the development of a statewide educational assessment model

13. Continued to work with the State Educational Accreditation Committee

14. Continued to work with University of West Florida in developing an exemplary program evaluation system, including instruments needed to collect information

15. Assisted the Southern Association of Schools and Colleges in evaluating an area vocational school and a secondary school program

16. Assisted in development of audio-visual material used in a presentation at the White House Conference on Children and Youth

17. Developed State research priorities

18. Performed 100 ERIC searches

19. Presented a program on the Florida ERIC system

20. Assisted in planning the "Governers Conference on Postsecondary Educational Opportunities for Disadvantaged Youths and Adults"

21. Installed and began operation of the computer based "Query" system as an integral part of the dissemination system

PROJECTS AND ACTIVITIES PLANNED:

1. Submit State Board Regulations for innovative projects to be funded under the State Vocational Improvement Fund in 1971-1972

GEORGIA

George W. Mulling, State Director for Vocational Education
Paul Scott, RCU Director

PROJECTS COMPLETED:

1. "Increasing Counselor Effectiveness in Working with Disadvantaged and Handicapped Students" (Kenneth B. Matheny)

NEW PROJECTS FUNDED:

1. "Career Development Program for the Disadvantaged Student" (Jack King and A.J. Isbell)

2. "A Team Approach to Vocational Education for Multi-Disadvantaged Youth" (Donald Hight and Gerald D. Haywood)

3. "Coordinated Academic and Vocational Program for Disadvantaged Students" (Sanford Payne and C.M. Culberson)

4. "A Work-Study Program for Handicapped Students" (T.H. Wall)

5. "Program for Disadvantaged Students" (M.C. McDaniel and Arthur Cragg)

6. "Development of a State Evaluation System for Vocational-Technical Education in Georgia" (J. Marvin Robertson)

7. "Training of Coordinators for Programs of Education and Career Exploration" (Emeliza Sevain)

8. "Preparing and Assisting Area High School Vocational Education Supervisors in Implementing Sequential Vocational Education Programs" (George O'Kelley)

9. "An Institute for Work Experinece Coordinators to Direct Cooperative Programs for the Disadvantaged" (H.R. Cheshire)

10. "Training Programs for Leadership Personnel for Postsecondary Area Vocational Schools" (George O'Kelley)

11. "A Consortium Trade and Technical Education Baccalaureate Degree Program" (Paul Bowdoin and Clyde Hall)

HAWAII

Samson S. Shigetomi, State Director for Vocational Education
Sybil Kyi, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Implemented a State Vocational Education Data System (VERIFY Contract) for the Secondary, Post-Secondary and Adult Public Vocational Education programs. Involved the conducting of an introductory workshop, followed by intensive on-campus instructional training sessions for vocational teachers and administrators. Data system coordinators were appointed at all community colleges and at the secondary district office level. A standardized master course coding document was developed for community college vocational curricula in order to enable comparative input and output

2. Rendered technical assistance for two Community Occupational Surveys which were conducted in the Fall of 1970 and are expected to be available in publication form in Fall 1971. These surveys were also designed to yield preliminary data to facilitate the construction of an industry-occupational matrix model for manpower forecasting and planning purposes

3. Reorganized and established a Vocational Education Collection for the State Vocational Education Office staff and supervised the ERIC Microfiche Collection

4. As a member of the Hawaii State Vocational Education Office Review Committee, reviewed and made recommendations for special program grants under Handicapped, Exemplary, Disadvantaged and Cooperative Programs

5. Conducted and reported an initial cost-benefit study of the cosmetology program in the public and private schools

6. Represented the Hawaii State Office of Vocational Education on the Honolulu SMSA CAMPS Committee

PROJECTS AND ACTIVITIES PLANNED: NONE

IDAHO

Roy D. Irons, State Director for Vocational Education
William R. Swenson, Assistant State Director for Vocational Education

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED:

1. "Orientation to Health Activities" (Floyd Merrill)

ILLINOIS

Sherwood Dees, State Director for Vocational Education
Robert Kent Gray, RCU Director

PROJECTS COMPLETED:

1. "Feasibility Study of Handicapped Individuals" (Paul Mall)

2. "Cooperative Junior College Computer Study" (C. Thornbald)

3. "Study the Feasibility of a Pilot Home-Based Day Care Program Utilizing Welfare Mothers and Other Disadvantaged Persons as Members of the Child Care Staff Team" (Myrna Kassel)

4. "An Exploratory Analysis of Differential Program Costs of Selected Occupational Curricula in Selected Illinois Junior Colleges" (Robert Tomlinson)

5. "Analysis of One and Five Year Plans of Local School Districts for Vocational Education" (William Rogge)

NEW PROJECTS FUNDED:

1. "An Analysis of Secondary Area Vocational Centers in Illinois" (Ed Anderson and Wayne Zook)

2. "Demonstration Center for Comprehensive Home Economics Programs in the Medium Size High School" (Mary Beth Stine)

3. "Analysis of Surveys of Illinois Vocational Guidance" (Richard W. Bradley)

4. "Delinquency Intervention Program in the Carbondale Community High School - Phase III" (Richard Pooley)

5. "Technical Physics" (C. Matz)

6. "A Special Analyses of Vocational Education in the City of Chicago" (C. Joseph Ehrenberg)

7. "Metropolitan Programs in Applied Biological and Agricultural Occupations: A Need and Attitude Study" (Hollie Thomas)

8. "State Survey of Home Economics Programs in Illionis" (Dorothy Keenan)

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED:

1. "Vocational Education Through a Video Tape System at Hinsdale Township High School" (Lauren Schwisow)

2. "West Central Hancock County Vocational Education Joint Agreement" (Gayle Nelson)

3. "The Identification and Comparison of Enrollment, Course Costs, Discipline Costs, and Student Costs for Occupational and Transfer Curricula in Selected Illinois Junior Colleges" (Chet Rzonca)

INDIANA

H. Robert Hewlett, State Director for Vocational Education

Allan D. Goecker, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Vocational Health Occupations Respiration Therapy" (Betty J. Hinshaw)

2. "Vocational Career Exploration and Preparation" (Edward Swin)

RESEARCH RELATED ACTIVITIES:

1. Conducted an Area School Feasibility Study

PROJECTS AND ACTIVITIES PLANNED:

1. Development of unified curriculum project for vocational education

IOWA

William Schermann, State Director for Vocational Education
Kenneth Wold, RCU Director

PROJECTS COMPLETED:

1. "Job Characteristics of Automotive Mechanics in Selected Iowa Dealerships and Garages" (Jim L. Drost)

2. "An Experimental Evaluation of the Effectiveness of Selected Techniques and Resources on Instruction in Vocational Agriculture" (Alan A. Kahler)

3. "A Survey of Classroom Instruction in Iowa's High School Distributive Education Programs to Determine Needs for Instructional Materials and Pilot Unit" (Roger Ditzenburger)

4. "Retention of Learning Two Years After an Experimental Training Program for Food Service Personnel" (Jean Magee Miller)

5. "Relationship of Aptitudes to Retention of Learning and Attitude Change Two Years After Food Service Training" (Etha Schipull Hutchcroft)

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Provided consultative assistance on exemplary programs
2. Revised State Plan for Vocational Education
3. Edited proposed policy and procedures handbook
4. Prepared fiscal year 1970 statistics and evaluation of activities contained in Descriptive Report OE Form 3140
5. Prepared biennial review of activities for publication
6. Prepared series of statistics reporting forms for local educational agencies
7. Initiated proposal writing services
8. Prepared proposal for statewide manpower needs survey
9. Conducted statewide survey of manpower needs through fifteen area schools
10. Provided assistance regarding research possibilities and preparation of prospectus for further consideration

PROJECTS AND ACTIVITIES PLANNED:

1. Continue to gather manpower needs information on disadvantaged and handicapped school population
2. Continue evaluation of career education programs at secondary and postsecondary levels
3. Continue dissemination of research findings and official publications
4. Contribute services of staff to overall planning of programs, services, and activities of the Career Education Division
5. Dissemination activities

KANSAS

John E. Snyder, Assistant Commissioner for Vocational Education
John E. Snyder, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

KENTUCKY

Carl F. Lamar, State Director for Vocational Education
Clayton P. Omvig, RCU Director

PROJECTS COMPLETED:

1. "A Pilot Study of Indicators of Predictive Success in Vocational Technical Education" (Steven J. Gyuro and Charles Aebersold)

2. "A Feasibility Study to Determine Occupational Job Entry Requirements in Auto Body Repair" (Steven J. Gyuro and and Arsie Espinoza)

3. "The Effects of a Program of Reading Development on Low Achieving Students in an Area Vocational School"

4. "A Developmental Program Utilizing Simulated Occupational Experience" (Clayton Riley)

NEW PROJECTS FUNDED:

1. "Workshop on Determining Performance Objectives" (Floyd L. McKinney)

2. "Institute for Training Vocational Education Personnel in the Systems Approach to Long Range and Annual Planning"

3. "Procedures and Techniques for Locally Directed State-Assisted Evaluation of Vocational Education in the Central Kentucky Region" (Floyd McKinney)

4. "A Profile of Vocational Education Teachers and Their In-service Education Needs"

RESEARCH RELATED ACTIVITIES:

1. Conducted 12 regional workshops on long-range and annual planning for vocational education

2. Prepared fiscal year 1972 State Plan and proposal for Educational Personnel Development Act

3. Assisted in preparation of fiscal year 1972 State Plan for Vocational Education

4. Monitored Part D Exemplary Programs

5. Conducted workshops and meetings on State Program Evaluation

6. Provided consultative assistance in project preparation

7. Continued assistance in development of a model for program evaluation

8. Disseminated information throughout State

9. Provided consultative assistance to State Program of Vocational Education

PROJECTS AND ACTIVITIES PLANNED:

1. Three curriculum projects to incorporate career development into the K through 12 curriculum

2. Comprehensive study of vocational education in Kentucky

3. Preparation of a "Master Plan of Vocational Education in Kentucky"

LOUISIANA

Thomas S. Derveloy, State Director for Vocational Education
Paul B. Brown, RCU Director

PROJECTS COMPLETED:

1. "Availability and Utilization of Classroom and/or Shop Service per Course in Louisiana Vocational-Technical Schools"

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Maintained a research materials library
2. Participated in preparation of the Prospectus for the State Plan of the Educational Personnel Development Act
3. Assisted in project development
4. Compiled a file on the drug problem
5. Attended numerous meetings and conferences

PROJECTS AND ACTIVITIES PLANNED: NONE

MAINE

Elwood A. Padham, State Director for Vocational Education
Elwood A. Padham, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

MARYLAND

James L. Reid, State Director for Vocational Education
Marinus Kip, RCU Director

NO REPORTS RECEIVED

MASSACHUSETTS

Walter J. Markham, State Director for Vocational Education
William G. Conroy, RCU Director

NO REPORTS RECEIVED

MICHIGAN

Edwin St. John, State Director for Vocational Education
David Donnovan, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Computerized Educational Careers Exploration System (ECES) " (Al Mallory)

RESEARCH RELATED ACTIVITIES:

1. Research assistance and consultation efforts
2. Priority determination for research funding
3. Exemplary project monitoring and initial evaluation
4. Assistance in development of research project specifications

PROJECTS AND ACTIVITIES PLANNED:

1. Preparation for solicitation of research project applications
2. Development of evaluation service for vocational education special needs program

MINNESOTA

Robert P. Van Tries, State Director for Vocational Education
Jerome Moss, Jr. and Howard F. Nelson, RCU Co-Directors

NO REPORTS RECEIVED

MISSISSIPPI

A. P. Fatherree, State Director for Vocational Education
James E. Wall, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Participated in numerous conferences, meetings, and workshops

2. Conducted an institute on "Expanding Vocational Education Curriculums to Meet the Needs of Disadvantaged Youth and Adults in Rural Areas"

3. Co-directed Southern Regional Workshops on "Locally Directed Evaluation of Programs of Vocational Education"

4. Completed publication Vocational Education Programs for Special Needs Students in Secondary Schools of Mississippi

5. Completed report Summary of a Study of a Sample of Vocational Education Graduates: 1967-1969

6. Completed publication Socio-Economic Characteristics of the Mississippi Choctaw Indians

7. Began final report on "Expanding Vocational Education Curriculums to Meet the Needs of Disadvantaged Youth and Adults in Rural Areas"

8. Completed report with State Advisory Council staff Mississippi State Advisory Council's Evaluation Report on Vocational Education for Fiscal Year 1970

9. Began work on the "Mississippi Educational Professions Development Plan" with State staff personnel

10. Began work on "Jones County Career-Centered Curriculum for Vocational Complexes Evaluation"

MISSOURI

B. W. Robinson, State Director for Vocational Education
Glenn White, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Conducting information retrieval and dissemination activities

2. Conducting training sessions in the use of the retrieval service

3. Collecting information as input to the reimbursement formula for vocational education programs

4. Participation in a census data consortium. (This group is composed of approximately 15 agencies and institutions who are jointly setting up systematic procedures for processing and providing information from the 1970 census tapes)

5. Participation in several planning and evaluation workshops

6. Participation in several workshops for writing behavioral objectives.

7. Preparation of a prospectus for Educational Personnel Development Act, Part F

8. Preparation of a proposal for professional development activities under Educational Personnel Development Act after the prospectus had been approved

9. Preparation of guidelines for funding research projects under Part C of the 1968 Amendments

PROJECTS AND ACTIVITIES PLANNED:

1. Continued activities in information retrieval and dissemination

2. Review and approval of research projects

3. Assisting in preparation of the State Plan for Vocational Education

MONTANA

Benjamin Ulmer, State Director for Vocational Education
Robert Hammond, RCU Director

NO REPORTS RECEIVED

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NEBRASKA

Glen H. Strain, State Director for Vocational Education
Elton Mendenhall, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Stimulated and coordinated output from private vocational schools in Nebraska

2. Stimulated and coordinated vocational teacher education output in Nebraska

3. Coordinated summary of vocational guidance in Nebraska

4. Completed comparison of vocational output to opportunities in Nebraska

5. Completed in-depth studies in Food Services and Drafting and disseminated to the State Vocational Conference

6. Prepared and disseminated three research newsletters

7. Prepared and presented two radio tapes from the State-Wide Model on Occupational Opportunities 1970

8. Developed a format for establishing a Department of Research and Development at the Nebraska Vocational Technical School at Milford, Nebraska

9. Updated master population list for State-Wide Model for Occupational Opportunities Study

10. Coordinated funded Exemplary Programs

11. Continued the rerun of the North East Nebraska Occupational Opportunities Study for a 14 County Area

12. Stimulated and coordinated a five State salary study for postsecondary vocational technical education instructors and administrators for Colorado, Wyoming, Kansas, Iowa and Nebraska

13. Stimulated and coordinated a project for a vocational center for disadvantaged students in Omaha by the Omaha Public Schools

14. Completed a guide for preparing vocational research projects to be funded from the State's share

15. Coordinated health occupations needs

16. Coordinated Thayer County Vocational Needs Study

PROJECTS AND ACTIVITIES PLANNED:

1. Employer survey for training level reference

NEVADA

John W. Bunten, State Director for Vocational Education
J. Clark Davis, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Completed computerized followup of vocational education students enrolled in Fiscal Year 1970. Developed vocational student followup procedure and implemented the followup program to provide data for the U. S. Office report. Data was received, ordered and provided for the State Department of Education

2. Worked with statewide vocational staff on inservice for utilization of computerized data enrollment system for school year 1971-1972

3. Developed and implemented National Vocational Exemplary Conference held in Squaw Valley

4. Worked on completing final report for National Institute for Improving Preparation of Professional Personnel for Vocational Education

5. Worked with exemplary project personnel

6. Worked for State Department of Education, Vocational Branch to begin developing a system for evaluation of all vocational education programs throughout the State

7. Filled requests for information

8. Assisted State Department of Education, Vocational Branch personnel in disseminating computer student data information cards to vocational teachers throughout the State

9. Worked with Employment Security Department to correlate their employment data with the vocational education student followup using vocational education and occupations OE publication as a guide

10. Completed a study of statewide Adult Basic Education programs

PROJECTS AND ACTIVITIES PLANNED: NONE

NEW HAMPSHIRE

Neal D. Andrew, State Director for Vocational Education
Gloria Cooper, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Development of 402 Project Plans and activities in New Hampshire

2. Development and implementation of exemplary programs

3. Liaison with Title III, Elementary Secondary Education Act

4. Implementation of the New England Occupational Education Resource Center

5. Assistance in teacher education coordination activities

6. "Followup Study of the Graduates of the New Mexico Technical Vocational School at El Rito, New Mexico"

7. "Followup Study of the Graduates of the New Mexico Junior College, Hobbs, New Mexico"

8. "The Policies and Procedures for Vocational-Technical Education in New Mexico 1970"

9. "Occupational Therapist Examines Area of Perceptual Motor Dysfunction in the Handicapped"

10. "Apple Growing Course"

11. "Tractor-Driver Training Course"

12. "Audio-visual Aids for Foundry and Welding Techniques"

13. "Training for Employment"

14. "Adult Consumer Education"

15. "Establishing and Improving Verbal Communications with the Hospitalized Spanish-Speaking People"

16. "A Self-Help Program in Industrial Metals"

17. "Development of Illustrative Visual Aids for Teaching Drafting Principles to the Slow Learner"

18. "Engineer Technology Curriculum"

NEW PROJECTS FUNDED:

1. "A System for Evaluation of Vocational-Technical Education" (James Hale)

RESEARCH RELATED ACTIVITIES:

1. Assisted in development of State Plan

2. Developed materials for State Legislature

3. Submitted annual Federal report for approval

4. Completed Survey of New Program Needs for 1971-1972

PROJECTS AND ACTIVITIES PLANNED:

1. Identification of issues and problems facing vocational education and obtain data for use in solving same

2. Stimulate local research activities

3. Continued implementation of the New England Occupational Education Resource Center

4. Running a catalyst workshop for stimulating innovative programs

NEW JERSEY

Robert Worthington, State Director for Vocational Education
Harold R. Seltzer, RCU Director

NO REPORTS RECEIVED

NEW MEXICO

Weldon Perrin, State Director for Vocational Education
Hilda Majors, RCU Director

PROJECTS COMPLETED:

1. "Followup, Eastern New Mexico University - Roswell Campus, Roswell, New Mexico"

2. "Followup, San Juan Branch College, Farmington, New Mexico"

3. "Engineering Technology Curriculum"

4. "Initiating Office Simulation Education At New Mexico Junior College in the Intensive Secretarial Training Program"

5. "Followup Study of the 1970 Graduates of Valley High School, Albuquerque, New Mexico"

5. Wrote New Mexico Annual Vocational Education Report for Fiscal Year 1970

6. Worked on Legislative Finance Committee

PROJECTS AND ACTIVITIES PLANNED:

1. Approval of Educational Personnel Development Act Technical Assistance Grant

2. Evaluation of Exemplary Programs

NEW YORK

Robert Seckendorf, State Director for Vocational Education
Louis A. Cohen, RCU Director

PROJECTS COMPLETED:

1. "A Pilot Educational Program between Topic House and Nassau Community College - Phase II" (Nassau Community College)

2. "The Use of Simulation Materials for Creating Occupational Awareness for Non-College Bound Persons - Phase II" (Indiana University)

3. "Evaluation of a Continuous Work Experience Program for Educable Mental Retardates" (Steuben County BOCES)

NEW PROJECTS FUNDED:

1. "A Pilot Educational Program between Topic House and Nassau Community College - Phase III"

2. "Adult Consumer and Homemaker Education Project" (Helen Nelson)

3. "The Use of Simulation Materials for Creating Occupational Awareness for Non-College Bound Persons, Phase III" (Indiana University)

RESEARCH RELATED ACTIVITIES:

1. Consultative Services to insitutions, organizations and State Agencies

2. Attendance and presentations at numerous seminars and conferences

3. "Use of the Voucher System in Education" (RCU staff)

4. Submitted eleven research proposals to Occupational Education Advisory Committee for possible funding

5. Completed U. S. Office of Education forms "Enrollments in Occupational Education" and "Employment Followup of Occupational Education Graduates"

6. Proposed a project "New England State ERIC Service" to U. S. Office of Education

7. Started work on development of behavioral objectives for course evaluation for "An Evaluation Service Center for Occupational Education"

8. Completed work on four internal projects: "Automatic Data Processing in Business Courses", "School to Employment Followup", "Manpower Demand in New York State and School Output" and "A Telephone Information Gathering Technique"

9. Formulated first stages of a project for gathering statistical information for completing U. S. Office of Education forms and another project for establishment of State Supplemental Research and Development Centers in Occupational Education

10. A staff member is engaged in writing a glossary of terms for the Bureau of Manpower Development and Training

11. A staff member is conducting a followup of research funded by the Bureau of Occupational Education Research

12. Revised publication, "Entry Requirements in Registered Apprentice Training"

13. Published "Massachusetts and New York Evaluation Service Center for Occupational Education - Working Paper No. 1; Behavioral Objectives Reporting Procedure"

14. Updated publication, "The Extent of Registered Apprentice Training in New York State - 1967"

15. A staff member was part of a committee engaged in the evaluation of the New York State Education Departments' College Volunteer Program which is concerned with drug abuse on the college campus

16. A staff member met with the Manpower Development and Training Commission to discuss manpower data needs and methods for interfacing manpower into the New York State Educational Information System

17. A staff member is writing the final report of a study which investigated the relationship between present and projected manpower needs and enrollment in occupational education

18. A staff member is preparing the final report on the Use of Automatic Data Processing Equipment in Business Courses in New York State

PROJECTS AND ACTIVITIES PLANNED: NONE

NORTH CAROLINA

Charles J. Law, Jr., State Director for Vocational Education
W. J. Brown, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. "Articulation Between North Carolina's Public System of Elementary and Secondary Schools and Public System of Technical Institutes and Community Colleges"

2. Development of a computer-assisted status reporting system for North Carolina's system of elementary and secondary occupational programs

3. Continuing evaluation of the "Middle Grades Occupational Exploration Program"

4. Assisted in developing and evaluating five Exemplary Projects

5. Assisted in developing and evaluating three Handicapped and Disadvantaged Projects

6. Development of a followup system for a local education agency

PROJECTS AND ACTIVITIES PLANNED: NONE

NORTH DAKOTA

Carrol E. Burchinal, State Director for Vocational Education
Ben Doutt, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "School Finance and Distribution Study" (Victor Burchill, John Thompson, Howard Snortland)

RESEARCH RELATED ACTIVITIES:

1. Continued State-wide Employer's Survey

PROJECTS AND ACTIVITIES PLANNED:

1. Continue to develop system for evaluating effectiveness of vocational education

2. Computerize results of state-wide Employers Survey

OHIO

Byrl R. Shoemaker, State Director for Vocational Education
C. O. Tower, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "Career Exploration, Akron Public Schools" (Nicholas J. Toporigis)

2. "Career Exploration, Cincinnati Public Schools" (William Britton, Jr.)

3. "Career Exploration, Cleveland Public Schools" (Wilbur W. Riley)

4. "Career Exploration, Dayton Public Schools" (James E. Frasier)

5. "Career Exploration, Toledo Public Schools" (R. T. Sherer)

6. "Career Orientation, Akron Public Schools" (Nicholas J. Toporigis)

7. "Career Orientation, Cincinnati Public Schools" (Jack Ford)

8. "Career Orientation, Dayton Public Schools" (Eugene Woolery)

9. "Career Orientation, Meigs Public Schools" (George Hargraves)

10. "Career Orientation, Parma Public Schools" (Robert Fricker)

11. "Career Orientation, South-Western Public Schools" (Charles Besse)

12. "Career Orientation, Toledo Public Schools" (R.T. Sherer)

13. "Career Orientation, Warren Public Schools" (Robert Williams)

RESEARCH RELATED ACTIVITIES:

1. Continued implementation of Program Review for Improvement, Development and Expansion of Vocational Education in Ohio (PRIDE)

2. Prepared answers to a multitude of questions by local school districts forming joint vocational school districts

3. Maintained document library and distributed documents

4. Maintained an ERIC service for State and Teacher Education Staff

5. Assisted six vocational agencies in preparing research proposals, pilot or exemplary projects

6. Participated in a leadership role in three vocational seminars and workshops, U. S. Office of Education vocational conferences, and in a number of activities as a learner participant

7. Met with, counseled, and advised over 30 groups such as school boards, administrators, professional groups, advisory groups, and at public gatherings concerning vocational education

8. Maintained, operated and improved upon the design of a data collection and retrieval system for vocational education

9. Prepared papers on Fall Enrollments in Vocational Education Programs

PROJECTS AND ACTIVITIES PLANNED: NONE

OKLAHOMA

Francis Tuttle, State Director for Vocational Education
William Frazier, RCU Director

PROJECTS COMPLETED:

1. "The Development of a Simulation Game for Teaching a Unit on the Use of Consumer Credit" (Irene Zachry Clements)

2. "Occupational Training Information Systems, Final Report" (Paul V. Braden, James L. Harris, Krishan K. Paul)

3. "Oklahoma Vocational and Technical Student Accounting System" (James L. Harris and William D. Frazier)

4. "Process Evaluation of Vocational Education--A Review and Synthesis of Selected Research in Education Documents" (W.G. Ward)

NEW PROJECTS FUNDED:

1. "Occupational Training Information System - Part II - Phase I" (William W. Stevenson)

2. "A Nation-wide Study of State Certification for Occupational (Gainful Employment) Home Economics Teachers" (Jewell King)

3. "Current and Project Role of Vocational and Technical Education in Oklahoma During the Decade of the Seventies" (Charles Hopkins, Ken Ritter, William Stevenson)

4. "Final Area School Locations and Districts" (Charles Hopkins)

5. "Annual Operating Cost Analysis for Vocational and Technical Programs in Oklahoma" (Charles Hopkins and John Chumbley)

6. "A Study of Employment Opportunities and Educational Needs in Off-Farm Agricultural Occupations in Oklahoma" (Jesse Mitchell)

7. "Vocational-Technical Career Brochures" (Paul Braden and William Stevenson)

8. "Procedures for State Level Evaluation of Career Guidance, Counseling, and Placement Services in Public Schools (William Stevenson)

9. "Development of a State-wide Evaluation Instrument for Vocational and Technical Education" (Ralph Ross and W.G. Ward)

10. "A Use of RCU/SDI Fliers" (Jewell Kind and William Frazier)

11. "A Study of ERIC Microfiche Use by Oklahoma Vocational Educators" (Jewell King and William Frazier)

12. "Development of a Model for a Vocational-Technical Professional Personnel Information System" (Terry Spradley)

13. "Decisive--Data for the Examination of Collegiate Institutions Serving Iconoclastic Vocational Education" (W.G. Ward).

RESEARCH RELATED ACTIVITIES:

1. Published "Results of the 1970 Planning Retreat"

2. Published "Research and Research-Related Activities of the Division of Research, Planning, and Evaluation - 1970-1971"

3. Published "Program Evaluation - Where It's At!"

4. Attended conferences, institutes and workshops

5. Mailed RCU/SDI dissemination fliers to each audience group

6. Met with Research Advisory Committee and developed research priorities for the remainder of Fiscal Year 1971

7. Report at AVA on the project, "Procedures for State-Level Evaluation of Career Guidance, Counseling, and Placement Services in Public Schools"

8. Developed formula for distribution of vocational work-study funds.

9. Prepared OTIS work papers for Oklahoma Industrial Coordinators

10. Initiated an automated state-wide student accounting system

PROJECTS AND ACTIVITIES PLANNED:

1. Innovations by teachers and counselors - supported through "Mini-Grants"

OREGON

Leonard Kunzman, State Director for Vocational Education
Dan Dunham, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. A study of needs and plan of action for career education at the Oregon State School for the Deaf

PROJECTS AND ACTIVITIES PLANNED: NONE

PENNSYLVANIA

John Struck, State Director for Vocational Education
Ferman B. Moody, RCU Director

PROJECTS COMPLETED:

1. "Vocational Horticulture Pilot Program" (Woodrow W. Schrock)

2. "Pilot Program in Vocational and Technical Education for all Secondary Schools in Fulton County" (Cecil P. Cessma)

3. "Factors Affecting the Employability of Vocational Bookkeeping Students" (Lois A. Luxner)

4. "Enhancing the Research Skills of Vocational Education Faculty" (Ernest L. Peters)

5. "Proposed Research to Alleviate the High Dropout Rate of Stenographic Students in the Secondary Schools of Pennsylvania" (Betty Ripka)

6. "Introduction to Occupations - Grades 7 through 12" (William T. Kelly)

7. "Migrant Worker Equipment Operation and Maintenance Program" (M. Francis Coulson)

8. "A Survey of Accidents Occuring in the Industrial Arts Laboratories of the Pittsburgh Public Schools from 1965 through 1970" (Donald C. Gamble)

9. "Milk Marketing Instructional Unit Development and Dissemination" (Sam Curtis)

NEW PROJECTS FUNDED:

1. "Development Project Training Liaison Personnel for Program Implementation in the Areas of Special Education and Vocational Education in Urban Public Schools" (Robert Ralnidi)

2. "Model Career Resource Centers in Schools for the Systematic, Purposeful Use of Career Information" (State College Area School District, Richard Warner) (Greater Johnstown Area Vocational-Technical School, Robert Hifer) (Springfield School District, David Fluke) (York County Area Vocational School, Theodore Sheckart)

3. "Innovative Utilization of Television for Dissemination of Occupational Information Through Regional Industrial Participation" (Nancy Gilgannon)

4. "A State Agency for the Preparation of Career Information for Use by Students in Local Schools" (Frank E. Burtnett)

RESEARCH RELATED ACTIVITIES:

1. Made preliminary plans to implement the systems planning model that was developed in the Arnold Report

2. Published two issues of the RCU Reporter

3. Published a document entitled, Planning Vocational Education Programs in Pennsylvania

4. Published a document entitled, A Mathematical Program Planning Model for the Efficient Allocation of the Vocational Technical Education Funds

5. Provided literature searches and disseminated the results of research to vocational educators

6. Provided consultative research services to vocational educators and monitored on-going research projects

7. Established a reference library for pertinent occupational information

8. Participated in regional planning workshops at the local level

9. Participated in conferences, meetings and in-service training seminars designed to enhance the quality of vocational education

10. Cooperated with various State and local agencies in the development of pertinent career education research

PROJECTS AND ACTIVITIES PLANNED:

1. Identify and establish research priorities

2. Screen and review research and related proposals and provide grants to colleges, universities and local educational agencies

3. Provide mini-grants to graduate students and teachers and assist them in the conduct of research studies

4. Conduct research training workshops designed to sharpen the research skills of vocational educators

5. Provide a vocational-technical education research communications network in Pennsylvania: agencies/personnel

6. Refine and computerize labor market information needed for planning programs at the local level

7. Refine and sharpen the projection techniques that were developed in the Arnold Study

8. Implement the system planning model for vocational education that was developed in the Arnold Report

9. Initiate a comprehensive study of private vocational and technical schools in Pennsylvania

10. Operate an effective information dissemination system (VEIN)

11. Develop research on selection criteria used by vocational-technical schools in Pennsylvania

12. Publish the "Pennsylvania Abstracts of Research and Related Materials" (PARM)

13. Continue to publish the RCU Reporter

14. Participate with ERIC Clearinghouse for Vocational-Technical Education Input and Output

15. Prepare interpretative briefs of completed research

16. Prepare news releases of significant research findings and implications

17. Cooperate with other states in the conduct of relevant occupational education research

18. Continue to monitor on-going research and related projects

RHODE ISLAND

Thomas H. Sandbum, Jr., State Director for Vocational Education
Fred Ricci, RCU Director

NO REPORTS RECEIVED

SOUTH CAROLINA

Cecil H. Johnson, Jr., State Director for Vocational Education
John H. Rodgers, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Investigation of Critical Elements Involved in Making a Standard Processor Camera Compatible with the ERIC System

2. Occupational Opportunities and Vocational Programs for Orangeburg and Calhoun Counties, South Carolina

3. Occupational Opportunities and Vocational Programs for Cherokee County, South Carolina

4. Development of a Practical Format for Producing Guidance Materials on Aperture Cards (Microfilm) for Use in Public Schools

5. Evaluation of Programmed Instructional Materials in Teaching Principles of Air Cooled Engines

6. An Evaluation of a Dropout Prediction Model

7. Occupational Opportunities and Vocational Programs for Berkeley County, South Carolina

8. Dissemination of Research and Curriculum Materials to Vocational Educators throughout South Carolina

9. Preparation of Guidance Information on 200 Occupations using the Aperture Card Format Previously Developed

10. Collecting, Analyzing and Storing information on 1,379 eighth grade students using the Dropout Prediction Model previously tested. (These data will be used in a longitudinal study to indicate the effectiveness of the dropout model)

PROJECTS AND ACTIVITIES PLANNED: NONE

SOUTH DAKOTA

E. B. Oleson, State Director for Vocational Education
E. B. Oleson, RCU Director

NO REPORTS RECEIVED

TENNESSEE

Charlie M. Dunn, State Director for Vocational Education
Garry R. Bice, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "An Analysis of Summer Programs for the Disadvantaged"

RESEARCH RELATED ACTIVITIES:

1. Assistance in developing proposals
2. Assistance in developing an evaluation plan for the Exemplary Program
3. Manual searches of ERIC
4. Establishment of information retrieval and dissemination system
5. Participated in conferences
6. Participated in a pilot project in information dissemination sponsored by the National Center for Vocational and Technical Education at Ohio State University
7. Worked with State Division of Vocational Education staff members to design and implement a self-analysis of state staff members. Also helped initiate plans to develop a Statewide professional development plan for vocational education
8. Published newsletter, RCU Circulator
9. Developed "RCU Handbook"

10. Developed information paper for high school placement and followup services

11. Conducted training session for staff of 12 area resource centers

12. Held meeting of an ad hoc advisory committee

13. Published Your Key to Easier Research

14. Made presentations on ERIC

PROJECTS AND ACTIVITIES PLANNED:

1. Continue to publish "RCU Circulator"

2. Complete ERIC searches

3. Conduct additional ad hoc advisory committee meetings

4. Initiate two curriculum development projects

5. Establish three regional research offices

6. Visit and become acquainted with people and programs in Western Tennessee

TEXAS

John R. Guemple, State Director for Vocational Education
Ray Barber, RCU Director

PROJECTS COMPLETED:

1. "An Industrial Survey to Determine Criteria for a Program Guide for Drafting and Designing Technology in Texas Junior Colleges" (Texas A&M University)

2. "Establishing a Cooperative Junior College Occupational Teacher-Supervisor Preparation Program at East Texas State University" (East Texas State University)

NEW PROJECTS FUNDED:

1. "Planning the Implementation and Coordination of a Statewide Educational Television and Information Retrieval System for Texas" (Central Texas College)

2. "Development of a Computer Graphics Curriculum for Post Secondary Schools" (Texas A&M University)

3. "Career Education - Project CARE" (Central Texas College)

4. "Planning a Program to Train Paraprofessionals to Serve the Deaf" (Dallas County Junior College District)

RESEARCH RELATED ACTIVITIES:

1. Coordination and development of the annual revision of the Texas State Plan for Vocational Education

2. Participation in the development and coordination of pilot-demonstration projects in occupational education for handicapped students

3. Participated in the development and coordination of exemplary projects

PROJECTS AND ACTIVITIES PLANNED:

1. Consider proposals for new projects

2. Set up mini-grant system

UTAH

Vaughn Hall, State Director for Vocational Education
John F. Stephens, RCU Director

PROJECTS COMPLETED:

1. "Project RESPECT" (Paul G. Butterfield)

2. "Mobile Assisted Career Exploration" (Michael Bertoch)

3. "Project FollowUp" (Warren Gaddis)

4. "Assessment of Consumer and Homemaking Education (Carol Israelson)

5. "Evaluation of Project SUCCESS, 1969-1970" (Richard Keene)

NEW PROJECTS FUNDED:

1. "Mobile Assisted Career Exploration (MACE)" (Michael Bertoch)

2. "FollowUp, 1969-1970" (G. Warren Gaddis)

3. "Evaluation of Post-Secondary Pre-Tech Program, Utah Technical College at Salt Lake" (Davis Ballard)

4. "Experimental Occupational Information Dissemination Program" (M.L. Peterson)

5. "Vocational Education for Rural Youth" (Austin Loveless)

6. "RCU Branch Office" (Austin Loveless)

7. "Evaluation of Post-High School Orientation Program" (Carolyn Barcus)

8. "Evaluation of Integrated Shop Program" (Austin Loveless)

9. "Evaluation of Project SUCCESS" (Richard Keene)

10. "World of Work, K-6" (Roy Warner)

11. "Development of Millard School District 12th Grade Co-op Program" (Talmage Taylor)

12. "Distributive Education Curriculum Project" (William Woolf)

13. "Overhead Cost Study for Vocational Education Programs in Utah Secondary and Post-Secondary Schools" (Robert Winiger)

14. "Stationary Utilization of Mobile Guidance (MACE) Materials and Equipment" (Sam Gordon)

RESEARCH RELATED ACTIVITIES:

1. Manpower Institute for In-service Training of Public School Personnel

2. Multi-State Project on local project evaluation

3. Attended one convention, one conference, and one seminar

PROJECTS AND ACTIVITIES PLANNED:

1. Determine cost, on a student instructional hour basis, for conducting a foods course meeting the criteria of the appropriate State Guide

2. Determine how home economics programs for adults can be made more effective

3. Determine how students who take first year typing courses apply the skills

4. Assess use of Project VIEW materials

5. Assess industry visitation sites by county in Utah and alternates to such visitation

6. Assess effectiveness of the experimental "articulated curriculum" program in changing student behaviors

7. Assess effectiveness of Building Construction and Automobile Mechanics courses at Bonneville High School

8. Assess effectiveness of three programs in Millard District

9. Assess effectiveness of an Advisory Committee organized according to a recently completed study

10. Determine differences between the Integrated Shop Program and the "articulated curriculum"

11. Prepare Utah State Plan for Vocational Education

12. Evaluation of achievement of objectives proposed in Utah State Plan for Vocational Education, Fiscal Year 1970

13. Make preliminary study of correlation of years of schooling and lifetime earnings

14. Perform detailed study of correlation of type and length of schooling with lifetime earnings

15. Develop regional rural school proposal

16. Undertake study to determine the gaps in education and/or duplications in education in preparing home economics teachers

17. Make preliminary study for the development of a post-secondary curriculum for training anesthesia technicians

18. Perform study to identify and plan programs for those who influence post-high school decisions of high school youth

VERMONT

Cola D. Watson, State Director for Vocational Education
Joseph P. Kisko, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED:

1. Continuation of project "A Model for Collecting and Analyzing Followup Data on Graduates and Dropouts of Vocational Education in Vermont"

VIRGINIA

George L. Sandvig, State Director for Vocational Education
George S. Orr, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED:

1. "An Evaluation System for Vocational Education in Virginia" (Virginia Polytechnic Institute and State University)

WASHINGTON

Ernest G. Kramer, State Director for Vocational Education
George P. Pilant, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Maintaining information system

2. In-house program planning evaluation, PPBS, and manpower needs analysis activities

3. Meeting of ad hoc committee for establishing procedures for implementing the Part C research programs

PROJECTS AND ACTIVITIES PLANNED:

1. Implement research program with Part C funds

2. Solicit proposals from the field within the framework of recommendations of the ad hoc committee and priorities of the State Plan

WEST VIRGINIA

Fred W. Eberle, State Director for Vocational Education
Glenn E. Smith, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Coordinated review of exemplary proposals and completed grant award documents for approved exemplary projects

2. Conducted State Exemplary Program Conference

3. Monitored Exemplary Projects

4. Provided for Exemplary Project Review

5. Provided consultative services to local educational agencies in regard to exemplary program and vocational education program development

6. Assisted in development of a proposal submitted to U. S. Office of Education in the area of Adult Basic Education

7. Improved Information Services to Users

PROJECTS AND ACTIVITIES PLANNED:

1. Initiate projects in areas of Vocational Education Finance Competencies of Local Vocational Education Administrators Curriculum Development, and Evaluation

2. Plan projects in areas of Management Information Systems for Vocational Education, and Research Training Programs

3. Begin collecting and analyzing data relative to annual and long range planning

WISCONSIN

C. L. Greiber, State Director for Vocational Education
Roland J. Krogstad, RCU Director

PROJECTS COMPLETED:

1. "On-Campus Living Study" (RCU)

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Staff met with researchers at State agencies and local educational agencies regarding projects in occupational education research, exemplary projects, and consultative services in district research procedures, policies and operations

2. RCU staff participated as resource persons on local workshops in research and dissemination services

3. Assistance was given on research studies being planned or conducted

4. Staff attended and participated in various meetings, conferences, and seminars

5. RCU staff served as consultants to the Research Committee of the Wisconsin Association of Vocational, Technical and Adult Education Administrators

6. Published newsletter, "Bits About Research", and contributed to state office weekly publication "Staff Notes"

7. Maintained information retrieval and dissemination system

8. Participated in the pilot state information system program sponsored by the ERIC Clearinghouse at Ohio State University

9. A state plan for professional development is now being drafted under a U. S. Office of Education Technical Assistance project under the Education Professions Development Act. A project assistant has been employed to develop a comprehensive state plan for professional development

10. Constant liaison is maintained with the Wisconsin State Employment Service regarding employment opportunities, emerging occupations, and job projections. Employment Service Publications are acquired, reviewed and disseminated as appropriate

11. Identified RCU priorities

12. Completed "Guidelines for State Wide Followup Studies" and "Guidelines for Advanced Status Evaluation"

PROJECTS AND ACTIVITIES PLANNED:

1. A research section meeting at Professional Growth Week

2. A two-week research practices seminar for district research and administrative staff

WYOMING

Bruce C. Perryman, State Director for Vocational Education
Fred Black, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. "The Role Perception of Faculty Members in Post-Secondary Schools Offering Occupational Education" (Richard Clabaugh)

2. "Entry-level Employment Success of Wyoming Post-High School Graduates in Selected Occupational Business Programs" (Art Coughenour)

RESEARCH RELATED ACTIVITIES:

1. Wrote Manpower Development and Training Annual Report and Evaluation Report of Manpower Development and Training projects

2. Developed Guidelines and Manual for Cooperative Education Workshop

3. Coordinated Occupation Education Division's Annual Report for Wyoming State Department of Education

4. Provided research support for local districts in the development of Exemplary Projects

5. Followed up continuing RCU project

6. Provided occupational education data for Wyoming State Legislature

7. Assisted in Wyoming Exemplary Project selection

PROJECTS AND ACTIVITIES PLANNED:

1. Conduct Cooperative Education Evaluation

2. Conclude older on-going RCU projects

3. Develop Cooperative Education instrument. Analyze student followup potential of VERIFY

4. Evaluation of 15, Part G, Cooperative Education Programs

Civil Rights Compliance

Discrimination Prohibited - Title VI of the Civil Rights Act of 1964 states:

> "No person in the United States shall, on the ground of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance.

Therefore, any program or activity receiving financial assistance from the Department of Health, Education, and Welfare must be operated in compliance with this law.